# Mountain Weather Forecast

## Lake District National Park

Forecast valid from 06:00 on Saturday 06 Jan 2024 until 23:59 on Sunday 07 Jan 2024

Forecast Issued on Saturday 06 Jan 2024 at 03:04

**Confidence:** High for dry, bright and cold weather throughout the period. The main forecasting challenge will be cloud amounts but this will stay above the tops.

**Headline for Saturday 06 Jan 2024:** Dry with sunny periods. Light winds. Cold.

**Mountain weather hazards on Saturday 06 Jan 2024**

**Blizzards**
No Likelihood

**Heavy persistent snow**
No Likelihood

**Storm force winds**
No Likelihood

**Gales**
No Likelihood

**Severe chill effect**
Low Likelihood

**Poor visibility**
No Likelihood

**Thunderstorms**
No Likelihood

**Heavy persistent rain**
No Likelihood

**Strong sunlight**
No Likelihood

| **Weather and chance of precipitation at 800m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Partly cloudy (night) | Sunny intervals | Sunny | Sunny | Clear night | Partly cloudy (night) |
| Precipitation probability | | | | | |
| <05% | <05% | <05% | <05% | <05% | 10% |

**Forecast for Saturday 06 Jan 2024**

**Weather:** Patchy valley fog will be slow to clear in places. A bright day with plenty of sunshine but feeling cold with a northerly breeze. Dry with clear spells in the evening allowing a frost and patchy fog to develop again.

**Chance of cloud-free hill tops above 800m:** 95%.

**Low cloud and visibility:** Generally excellent visibility. Patchy fog in the valleys and on low slopes will be slow to clear in places.

Check our weather forecast every day to get the most accurate and up to date information
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# Mountain Weather Forecast

**Forecast for Saturday 06 Jan 2024**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | 21/23 N | 20/23 N | 18/21 N | 17/20 N | 17/20 NE | 17/20 NE | 16/19 NE |
| **600** | 12/17 NW | 11/15 N | 10/14 N | 10/14 N | 11/16 N | 9/12 NE | 9/12 NE |
| **300** | 3/15 NW | 4/16 N | 4/14 N | 4/14 N | 4/12 N | 3/10 N | 3/10 NE |
| **Valley** | 4/14 N | 6/18 N | 6/15 N | 6/16 N | 5/14 N | 4/11 NE | 5/12 NE |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | -1/-8 | -0/-7 | -1/-7 | -1/-7 | -1/-8 | -2/-8 | -2/-8 |
| **600** | 1/-4 | 0/-4 | 1/-3 | 1/-3 | -0/-5 | -0/-5 | -1/-5 |
| **300** | 2/1 | 2/-0 | 3/1 | 3/1 | 1/-1 | 1/-1 | 1/-1 |
| **Valley** | 4/3 | 4/2 | 6/4 | 5/3 | 4/2 | 3/2 | 3/1 |
| **Freezing Level*** | 800m | 700m | 700m | 700m | 700m | 600m | 500m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

A cold, dry and bright day for the Lake District.

**Forecast for Sunday 07 Jan 2024**

**Weather:** Cloudy for a time overnight with the odd light shower but staying mainly dry with a frost in places. A dry day with lengthening bright or sunny periods. Feeling cold.

**Maximum wind:** East or Northeast 10 to 15mph.

**Chance of cloud-free hill tops above 800m:** 95%.

**Low cloud and visibility:** Mostly excellent visibility. Any cloud will be mainly above summit level but there could be the odd patch of low cloud in the morning on the tops and in the valleys.

**Temperature:** **Valleys:** Minus 2C rising to 4C.
**At 800m:** Minus 2C.
**Freezing level:** Around 600m. Valley frost early and late.

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# Mountain Weather Forecast

**Ground Conditions Supplement**

Date: Friday 5 January. Location: Helvellyn summit at 12:35. Full report: Ground conditions have remained fairly stable over the past few days albeit with slightly less snow as there has been a thaw especially below 900m. That trend is now likely to cease with the summit temperature around zero at midday and forecasted to drop to below freezing overnight and on Saturday. However, the majority of the Lakeland fells and paths up to, and including, summit level are clear of snow and ice. Snow can be found above 800m, with the vast majority above 900m, in sheltered spots and hollows and especially on steep north and east facing slopes. The snowpack was generally firm supporting walkers' weight especially on some popular routes where it has been compacted into hard snow and ice creating treacherous conditions particularly on steep and exposed terrain such as on the Helvellyn edges. The crests of both Striding and Swirral Edges consist of bare, wet, slippery rock. Their exits onto the summit plateau, however, are covered with unavoidable snow some of which, especially on Swirral edge, had been compacted. Thus, although they are only short sections, any walkers attempting the Helvellyn edges on Saturday are strongly recommended to carry an ice axe and crampons or microspikes to safely negotiate the snow especially in descent. Where these snow banks are located are not places to slide without the means to stop yourself. Since it has been in the cloud for days, ground above 750m is very wet even if unaffected by showers (which Helvellyn hasn't been!) As mentioned, the temperature is forecasted to drop with the freezing level at c700m so walkers out on the higher fells on Saturday should expect, and be prepared to encounter, icy ground and verglas (thin ice) on rocks. Similarly, the remaining snow could become hard and icy. Small, weak cornices have formed above steep north and east facing slopes – most noticeably above Helvellyn's east face. There were boot and paw prints in this snow. The cornices are so weak that even a dog could cause them to collapse so please keep your canine friends and humans away from the edge and advise those with less experience to do likewise. Full winter clothing (waterproofs, extra warm layers, hat & gloves), mountain boots and equipment including a torch, map and compass are all essential to safely roam the fells. With the probability of more hard snow and ice forming at altitude overnight, walkers out on the highest peaks on Saturday should also consider adding microspikes to their rucksacks. Temperature: plus 0.4C, Maximum wind speed 11.9mph. Wind chill: minus 4.6C. Average wind speed: 6.6mph.
Issued at: 03:04 on Sat 06 Jan 2024

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